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Gear Shifting Display for a Motorcycle

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Gear Shifting Display for a Motorcycle

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12/05/12

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Abstract:

This report will describe the implementation and requirements to assemble a Gear Shifting Display for a Motorcycle. The Gear Shifting Display for a Motorcycle is similar to a standard transmission vehicle where the vehicle speedometer lets you know what gear you're in. Many motorcycles especially older models do not have gear shifting displays due to added costs.

Many problems arise from not knowing what gear the motorcycle is in during specific events. One of the events is when the rider is shifting down upon approaching a stop light and believes that the motorcycle is in first gear when in reality he might be in second. This may cause the motorcycle to stall in the middle of the intersection while initially trying to accelerate after the stop light. Another issue arises when traveling and the rider believes that the motorcycle is in overdrive gear when in reality it is not causing the motorcycle to run less fuel efficient.

All of the problems mentioned above can be fixed by knowing what gear the motorcycle is in at all times. Our group is making a Gear Shifting Display that will work with the motorcycle without having to mess with an existing part of the motorcycle. Messing with an existing part of the motorcycle such as the speedometer may void the warranty. Instead the Gear Shifting Display will be an aftermarket add on that does not affect any of the original motorcycle parts.

Keywords: Motorcycle Display, Motorcycle shifting display, Harley Davidson, Add-on,

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